

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003033**Date Inspected:** 12-Dec-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies (OBG) and Office**Bid Item:** 77, 78, 79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

Crash Barriers Internal Surfaces (30 Each), NOI Number 5334: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers Internal Surfaces (30 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to insufficient coating installation (holidays).

Splices (2 Each), L-Splices (148 Each), Triangle Splices (12 Each) and Crash Barriers (6 Each), NOI Number 5336: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Splices (2 Each), L-Splices (148 Each), Triangle Splices (12 Each) and Crash Barriers (6 Each). Test results recorded x3 surface profile readings in the range of 81 to 83µm and x1 soluble salts reading of 9.0 (µs/cm). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Counterweight External Surface CW96, 98, 100, 104 and 106, NOI Number 5337: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

final coat installation on Counterweight External Surface CW96, 98, 100, 104 and 106. ABF and ZPMC QA/QC recorded final surface dry film thickness readings (DFT) in accordance with SSPC-PA2. No discrepancies noted.

Crash Barriers Internal Surfaces (30 Each), NOI Number 5339: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers Internal Surfaces (30 Each) for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers Internal Surfaces (25 Each), NOI Number 5340: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers Internal Surfaces (25 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to insufficient coating installation (holidays, high DFT and overspray).

Splices X5001C (2 each), NOI Number 5341: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices X5001C (2 each) in preparation for blasting operations. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to the presence of oil and grease on substrate.

Office

Attend to report writing and photo documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By: Cason,Kenneth

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer